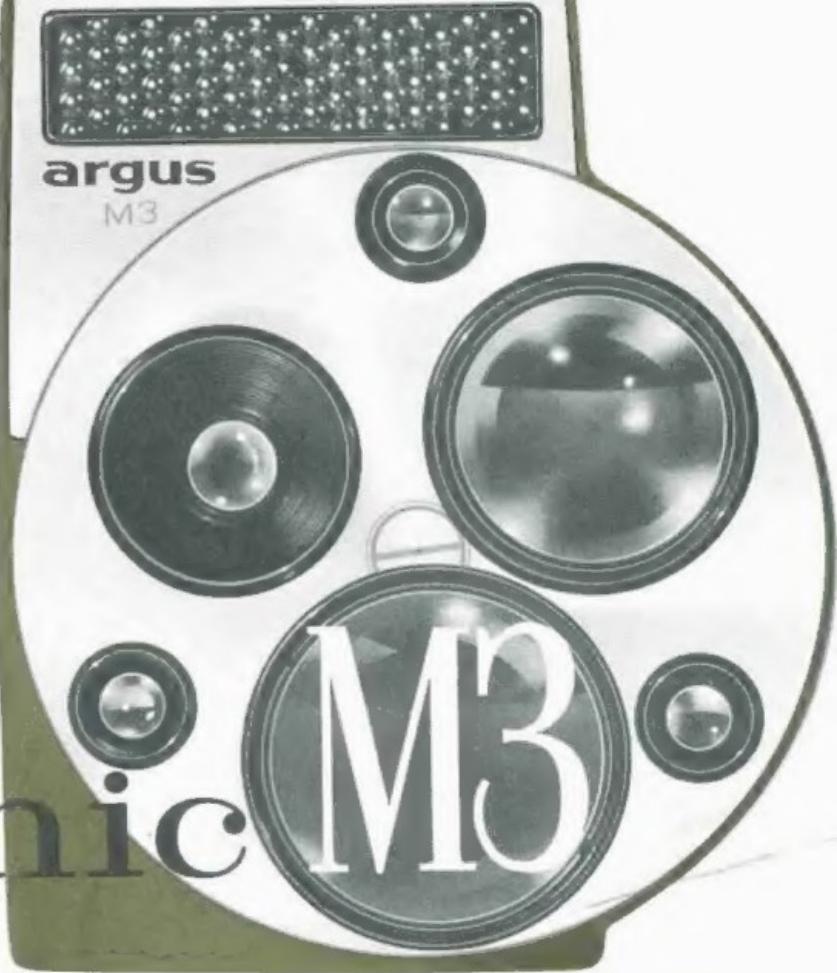
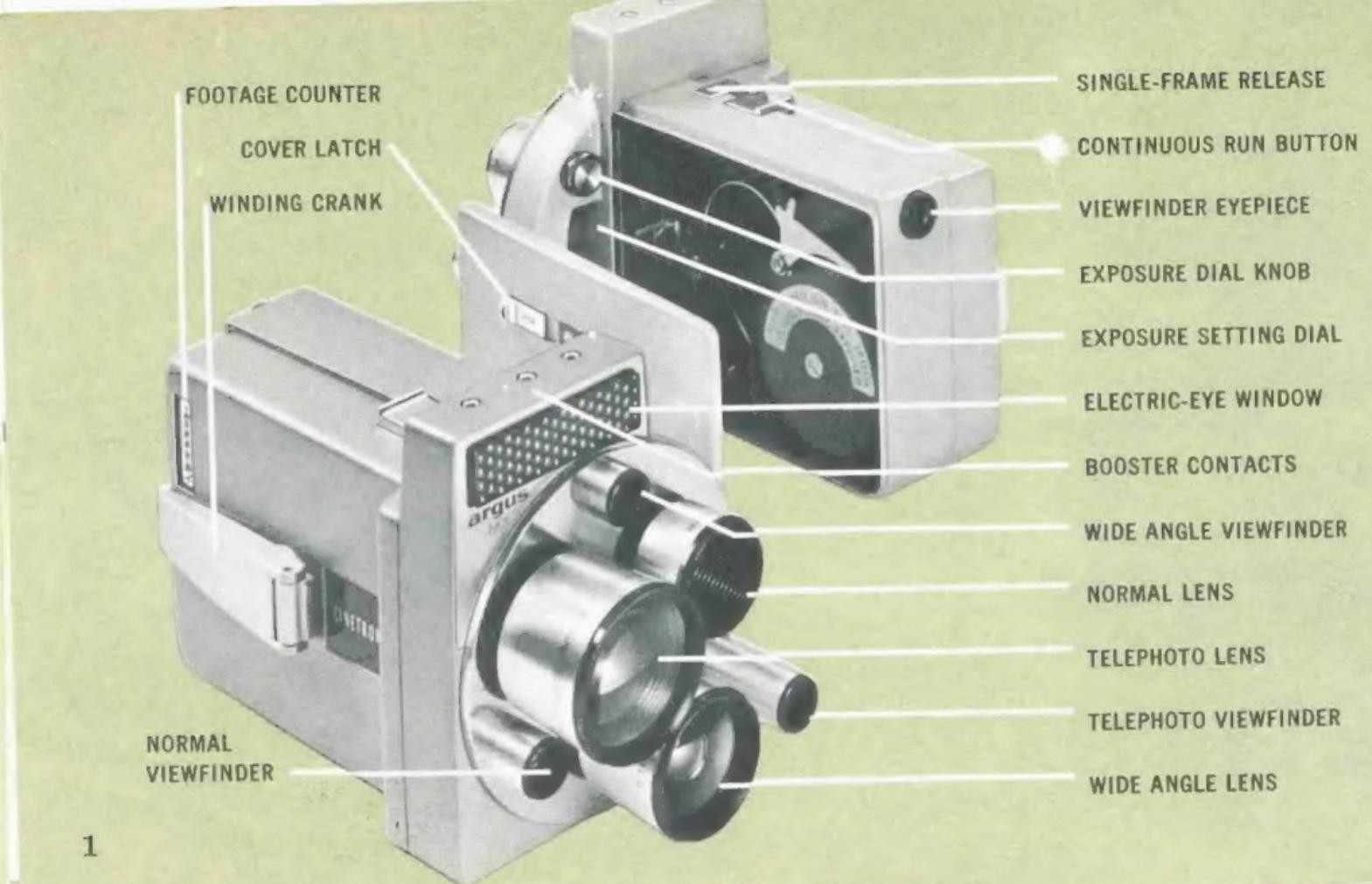


# argus

# Cinetronic M3

*8mm automatic electric-eye turret movie camera*





# introduction

Your new Cinetronic M3 movie camera takes the guesswork out of making movies. No more worry about light and exposure—the electric eye takes care of that for you. After loading, winding, and setting the camera for your film, just look through the viewfinder and press the button.

To assure the fullest enjoyment from your new camera, won't you read this book over carefully? It gives complete information on the camera's operation and also tips on how to make your movies even better. If you're filming a special event or a trip, expose a practice roll first to become familiar with movie-making.

*Minor changes in the appearance of this camera may not be included in these illustrations.*

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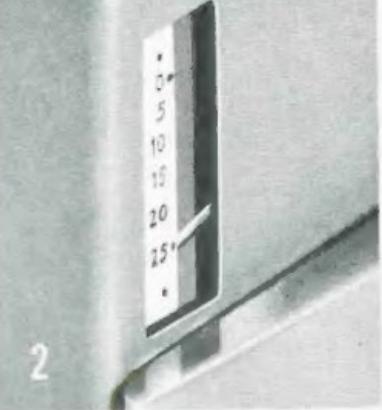
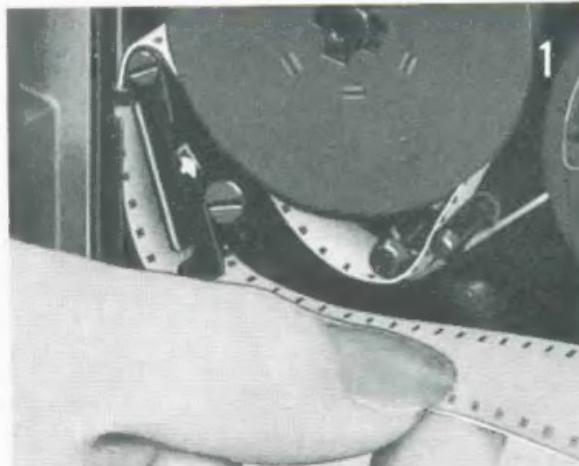
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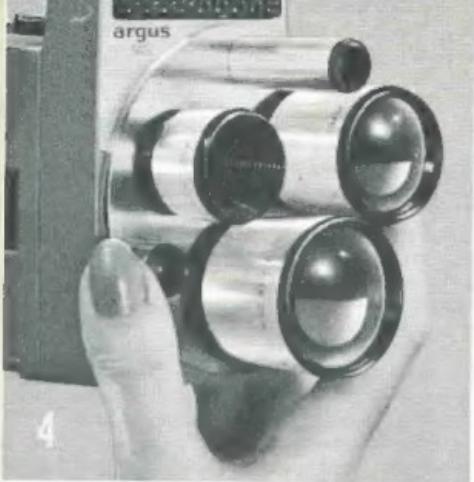
## condensed instructions

Here are the essential points in operating the Cinetronic M3. If this is your first movie camera, you'll find these instructions helpful in reviewing the detailed steps on the following pages.

Purchase 8mm roll movie film from your dealer. Use Daylight color film for movies outdoors, Type A film for indoor movies with movie lights or photofloods.

*The electric eye automatically adjusts the lens for perfect exposures. The opening being set is shown in the viewfinder. A red line will show on the indicator if the light level is too low or too high.*





- 1 Remove the cover and thread the film by the camera diagram. Check the film movement, then close the cover.
- 2 Unfold the crank and wind the camera. Run the film off until the footage counter points approximately to "25". The counter tells how much unexposed film is left.
- 3 Turn the knob above the exposure setting dial to set the electric eye for the speed of your film. Each setting has two ASA film speeds—turn to the setting containing the speed of your film. See page 6 for details.
- 4 Wind the camera fully again and select the lens you wish to use. The lens on the bottom takes the picture.
- 5 Sight through the viewfinder, check indicator to see that a red line is not showing. Hold the camera steady, and press the continuous run button to take the movies.

It is good practice to wind fully after each scene. *When the counter points approximately to "O", continue to run the camera (without taking movies) until the pointer is on or beyond the dot. Open the cover, turn the full spool over (if you have just exposed one side), and reload the camera.*

## choosing your film

Your Cinetronic M3 uses standard double 8mm roll movie film which is available from all photo dealers.

Very probably you will want to start out using color film in your Cinetronic. Commonly available color films in 8mm size include Kodak Kodachrome, either Daylight or Type A, and Ansco Moviechrome 8 Daylight. Your dealer has these films in stock.

Use a daylight-type film for movie-making outdoors. Use Type A film when taking movies indoors using movie lights or photofloods for illumination.

A booster cell to plug into the top of the Cinetronic's electric eye will be available whenever color films with higher film speeds (ASA 25 and 40) are introduced.



## setting the film speed

To prepare for electric-eye operation, turn the knob above the exposure setting dial to the setting for your film. If you are using *Kodachrome Daylight* color film (ASA 10), set the dial to **10-ASA-25**. For *Kodachrome Type A* or *Ansco Moviechrome 8* films (ASA 16 or 20), set the dial to **16-ASA-40**. Align the center of the setting with the red index line. *The illustration shows the setting for Kodachrome Type A.*

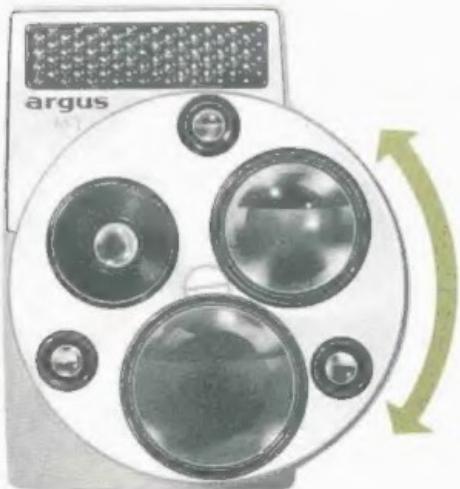
When they are introduced, you can also use color films with speeds of ASA 25 and 40 on these same two settings just by plugging in the accessory booster cell (available at a later date).

If you continue to turn the exposure setting dial all the way around, you will notice numbers 2 through 9. These are aperture-value numbers for manual lens openings. These numbers are not used for electric-eye operation, but only to set the lens opening manually. See page 11.



	<b>Daylight</b>	<b>Photoflood</b>
<b>KODACHROME DAYLIGHT COLOR FILM</b>	<b>10</b>	—
<b>KODACHROME TYPE A COLOR FILM</b>	—	<b>16</b>
<b>ANSCO MOVIECHROME 8 DAYLIGHT COLOR FILM</b>	<b>20</b>	—

## selecting the right lens



NORMAL



WIDE ANGLE



The three lenses on your Cinetronic M3 allow you to take all types of pictures—wide angle, normal, or telephoto—just by turning the turret from one lens to another. Each lens has a matching viewfinder so that the view you see is what you get on the film. Sight through the viewfinder and change lenses to see how the size of the picture changes.

The turret is detented to assure you that the lenses align properly. The bottom lens is the one taking the picture, while the matching viewfinder will be on the top of the turret in line with the eyepiece. The name of each lens is marked on the lens barrel.

TELEPHOTO



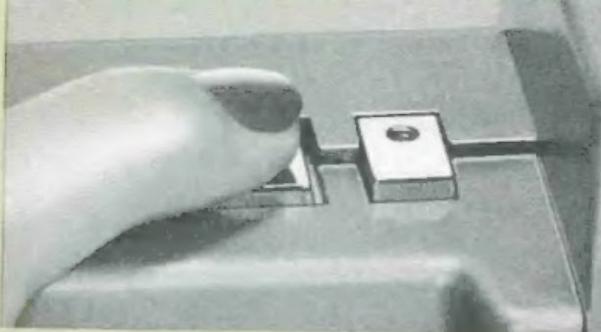
## taking the picture

When making movies of a particular scene, you may want to first use the wide angle lens to get an overall "location" shot, then the normal lens for a closer view of the scene, then the telephoto lens for close-ups. Using these different lenses adds interest and variety to your movie.

Sight through the viewfinder and press the continuous run button for regular movies. You can also push the button down and forward to lock—this lets you get into your own movies if the camera is on a tripod. Pull the button back to unlock.

The indicator in the viewfinder shows the lens opening being set by the electric eye. A red line will appear if the light level is too low or too high for good movies.

The forward button (single-frame release) is for special effects such as animations, titles, etc. Have the camera fully wound and on a tripod when using this release. The threaded socket accepts a standard cable release.

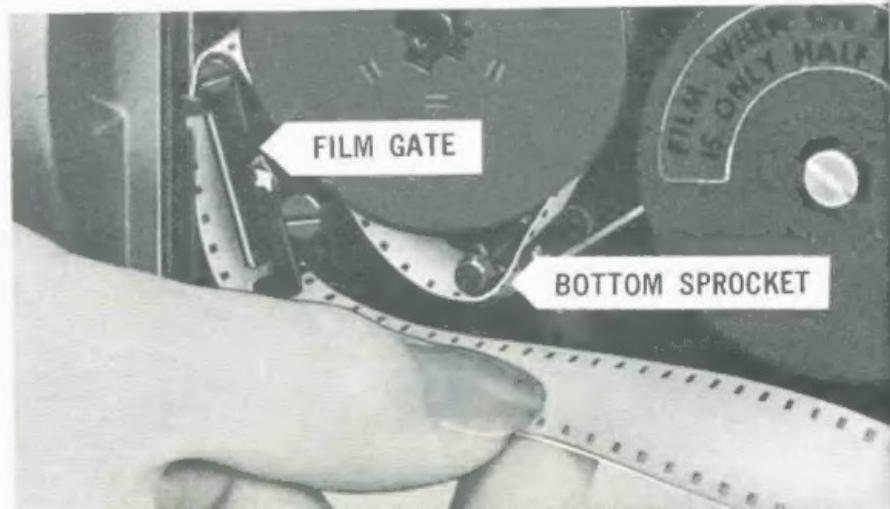


**1** Unlock the camera cover by sliding the latch forward. The cover will pop up and can be removed. Take the new film from the box and can and remove the paper band (or tape). *Do not let the film unwind from the spool while loading.*

**2** Place the full spool (arrow side down) on the upper spindle (rotate spool to seat) and pull out about 12" of film. Open the film gate by pushing up on the tab. Start with the film next to the spool, thread it around the bottom sprocket, up to and down through the gate, and to the take-up spool. *Follow diagram in camera.* You may find a reverse way of threading easier for you after you try different ways.

## loading

*Your camera should be loaded in subdued light—never in direct bright sunlight.*



3 Push up the lever (counter arm) above the take-up spool and remove the spool from the bottom (right) spindle. Place the end of the leader in the spool hub slot. Wind the film around the spool, *in the direction of the arrow, arrow side up*, to take up the slack; then replace it on the spindle.

4 Close the film gate by pushing the tab down and wind the camera fully. Push the continuous run

button for a few seconds to see if the film is moving properly. *Replace the cover.*

5 Hold the continuous run button down until the footage counter points approximately to "25". This takes up the leader. Wind the camera and you are ready to take movies. Wind the camera after every scene.

WHEN YOU HAVE RUN THE FILM THROUGH THE CAMERA ONCE, ONLY ONE-HALF OF IT IS EXPOSED. Follow the unloading directions on page 12, then turn the spool over and reload the camera as shown here.



## TAKING MOVIES UP CLOSE

Your camera's lenses are set for universal focus. The shortest distance at which you should take movies is determined by the lens and lens opening used. The chart shows the minimum distances for each lens and lens openings. Movies taken at shorter distances may not be clear.

LENS OPENING	2	3	4	5
NORMAL LENS (10mm)	4½'	4'	3'	2½'
WIDE ANGLE LENS (6.5mm)	2'	1½'	1½'	1'
TELEPHOTO LENS (25mm)	18'	15'	12'	10'

## MANUAL LENS OPENING GUIDE

There may be occasions where you wish to use manual lens openings instead of the electric eye. This chart gives the lens openings to use for average subjects under different lighting.

	BRIGHT SUN	HAZY SUN
KODACHROME DAYLIGHT	6	5
ANSCO MOVIECHROME 8	7	6
ASA 25 FILM	7	6
ASA 40 FILM	8	7

P E N I N G

6 7 8 9

1½' 1½' 1' 1'

1' 1' 1' 1'

8' 6' 4' 3'

CLOUDY CLOUDY  
BRIGHT DULL

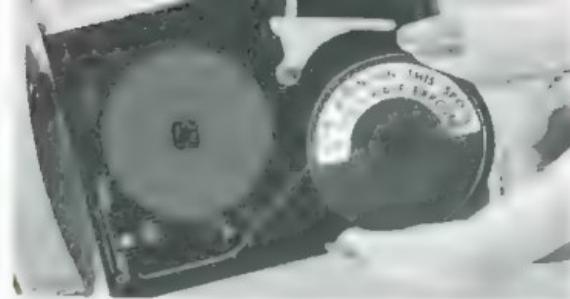
4 3

5 4

5 4

6 5

## Unloading YOUR camera



When the footage counter points approximately to "O", you have completely exposed that side of the film. DO NOT TAKE ANY MORE MOVIES. However, you must run the camera until the footage pointer rests on or beyond the dot *before you open the cover*. This runs off the leader and prevents fogging the exposed film. In subdued light, open the cover and carefully remove the spool. If the film has only been run through the camera once (and is on the Argus spool), it is just half-exposed. Turn it over and reload the camera as shown on pages 9 and 10. When the film has been completely exposed, and is back on its original spool, replace the paper band that came with it, or use a rubber band, and replace the spool in the metal can. Promptly take it to your dealer for processing. Put the empty spool back on the bottom spindle and you are ready for a new roll of film.



## ...some pointers for

**Hold the camera steady** when making movies, for any wavering or jerkiness will show up very noticeably when the movies are projected on the screen. This is especially true when using the telephoto lens. Use a tripod if possible.

**"Panning"** is the name given to moving the camera horizontally or vertically while taking movies. It must be done slowly and carefully or the projected movie will appear jerky.

**Change the camera position** or viewpoint whenever possible when you are taking

# better movies

movies of a single subject. This, plus using different lenses, helps to keep your movies interesting.

**Select the lens** which will show the scene in the best way, and change lenses often to add a little variety to the movie.

**Don't make short scenes** as they will quickly flash on and off the screen before your audience can tell what it is. The length of a scene depends on a subject, but a scene usually should not be under five seconds in length. You can always make a long scene shorter by cutting out

sections, but you can never stretch out a scene that is too short.

**Use a tripod** when taking movies whenever it is convenient. It keeps your camera much steadier than you can hold it in your hand.

**Continuity**, or the relationship of one scene to the next, gives your movies more general interest. Don't go from one general idea to another without some sort of "in-between" scene to show the change. Titles can do this if an abrupt change is necessary.

## CARE AND CLEANING

Your Argus Cinetronic M3 is a precision instrument and deserves the best of care. Protect it from extremes of heat, moisture, and dust. Keep the camera in the carrying case (available as an accessory from your dealer) when not in use.

Clean out the interior of the camera occasionally with a small camel's hair brush. Be sure to brush away any dirt or particles that may be underneath the pressure pad and in the film gate as they may show up in your movies.

To clean any of the lens surfaces, blow the dust off first, or use a lens brush. Then wipe them gently with a lens cleaning tissue. Use lens cleaning fluid sparingly and only if it becomes necessary.

If you need further information on the operation of your camera, or for servicing or replacement parts, write to:

**CUSTOMER SERVICE DEPARTMENT  
ARGUS CAMERAS, INC.  
ANN ARBOR, MICHIGAN**

In Canada, write to:

**ARGUS CAMERAS OF CANADA, LTD.,  
REXDALE P.O., TORONTO, ONTARIO**

When writing, be sure to mention you have the **ARGUS CINETRONIC M3 MOVIE CAMERA**, and list the serial number which is found inside the camera near the counter arm.

# S P E C I F I C A T I O N S

**LENSSES:** Normal Lens—10mm f/1.9; Wide Angle Lens—6.5mm f/1.9; Telephoto Lens—25mm f/1.9. All lenses are universal focus, color-corrected, and coated.

**SHUTTER:** Governor-controlled reciprocating type which operates at 16 frames per second. Fractional shutter speed for continuous run or single-frame exposures is 1/40 second.

**LENS OPENINGS:** Automatically set by the electric eye when the exposure dial is set to a film speed. The lens opening being set by the electric eye appears in the view-finder as you are taking the movies. Manual lens openings run from AV 2 through AV 9 (f/1.9 to f/22); marked in aperture values. Equivalent f/stops are as follows:

Aperture value	2	3	4	5	6	7	8	9
f/stop.....	1.9	2.8	4	5.6	8	11	16	22

**WINDING:** The camera motor is wound by means of a crank which folds into the camera body when not in use.

**FILM SPEED SETTINGS:** The electric eye can be set for ASA 10 and ASA 16 or 20 films. With the booster cell (available at a later date), films of ASA 25 and ASA 40 can be used.

**CONSTRUCTION:** Die-cast metal construction throughout. Dimensions: 7" x 3 $\frac{5}{8}$ " x 4 $\frac{5}{16}$ ". Weight: 49 oz.

## ng case

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## filters

l to shoot  
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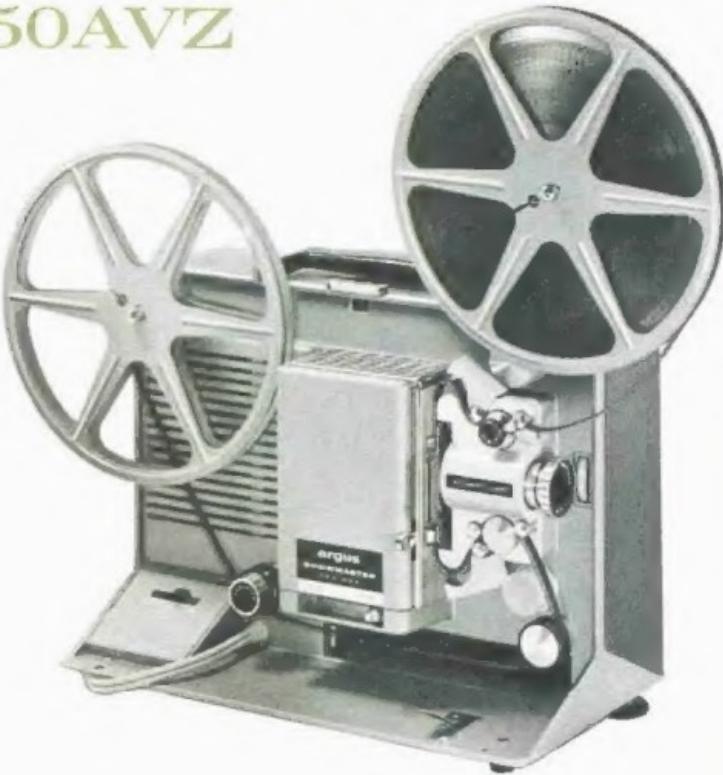
## care and cleani

Your Argus Cinetronic M3 is an instrument and deserves the best care. Protect it from extremes of heat and dust. Keep the camera in the case (available as an accessory at your dealer) when not in use.

Clean out the interior of the projector occasionally with a small can of compressed air or a soft brush. Be sure to brush away any dust or particles that may be under the pressure pad and in the film gate. This may show up in your movies.

To clean any of the lens surfaces, dust off first, or use a lens brush to wipe them gently with a lens tissue. Use lens cleaning fluid only if it becomes necessary.

## argus showmaster 750AVZ



A perfect companion for your Cinetronic M3 is this fine 8mm movie projector by Argus. Using the new Sylvania Super Tru-Flector projection lamp, the projector gives you 750 watt brilliance; clear, sharp pictures, from anywhere in the room, with the Argus f/1.5 Multiscope Zoom lens; forward, reverse, or still operation; 400 foot reel capacity for movies up to 33 minutes long; service light; film splicer; and host of other fine features. Small sized, too—only 10 $\frac{3}{4}$  by 6 $\frac{1}{2}$  by 8 inches. Your dealer will be glad to show the Showmaster 750AVZ to you.

## carrying case

... the best way to protect your camera from dust, moisture and hard knocks. Genuine leather case safely holds camera and extra film. Shoulder strap with pad included.



## type A filters

... can be used to shoot indoor Type A color film outdoors. These quality filters slip-on over your camera lenses. Your dealer will be glad to supply or order them for you.



*Your Argus Cinetronic M3 Movie Camera was manufactured, inspected, and tested by skilled craftsmen. It is guaranteed to be free of defects in workmanship or material during its lifetime. If any servicing becomes necessary because of imperfections in materials or workmanship, your camera will be factory serviced without charge.*

*Argus equipment which has been damaged, mishandled or worn from extensive use will be factory serviced at established rates. Equipment purchased as used or rebuilt is not covered by this guarantee.*

# argus<sup>®</sup>

**GENERAL TELEPHONE & ELECTRONICS**



**ARGUS CAMERAS, INC., ANN ARBOR, MICHIGAN**

*Subsidiary of Sylvania Electric Products Inc.*

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